

Cancelled
B1

a ZnO:Zn phosphor capable of enhancing the brightness of the display,
wherein the mixing ratio of the luminescent material to the ZnO:Zn phosphor is varied
according to a desired level of the brightness.

B2

6. (Amended) A method for forming a high-brightness phosphor screen by mixing a
luminescent material for emitting light of a predetermined color and a predetermined amount of
a ZnO:Zn phosphor, the method comprising the steps of:

(a) preparing a phosphor mixture solution by dispersing the luminescent material and the
ZnO:Zn phosphor in a solvent, wherein the luminescent material comprises at least one blue
light-emitting phosphor selected from the group consisting of (Zn,Cd)S:Ag, (Zn,Cd)S:Ag,Cl,
(Zn,Cd)S:Ag,Cl,Al and (Zn,Cd)S:Ag,Cl,Mg, or a green light-emitting phosphor,
(Zn,Cd)S:Cu,Al,Au;

(b) forming a phosphor layer by depositing the phosphor mixture solvent on a substrate;
and

(c) evaporating the solvent from the deposited phosphor layer.
